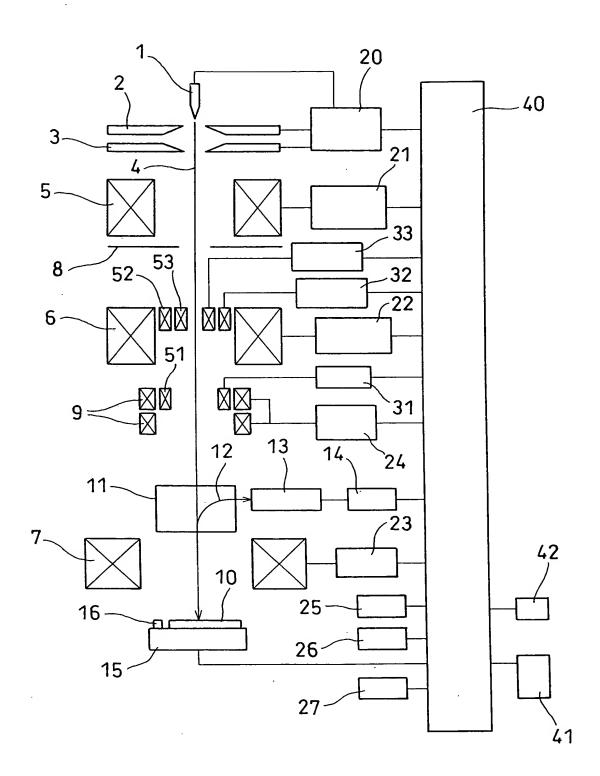
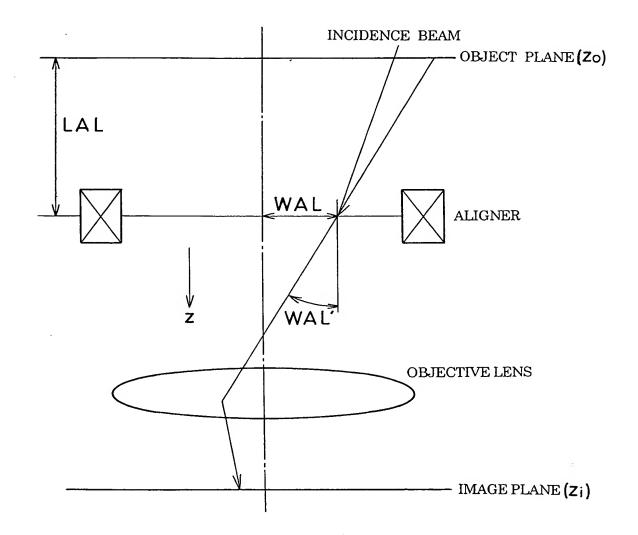
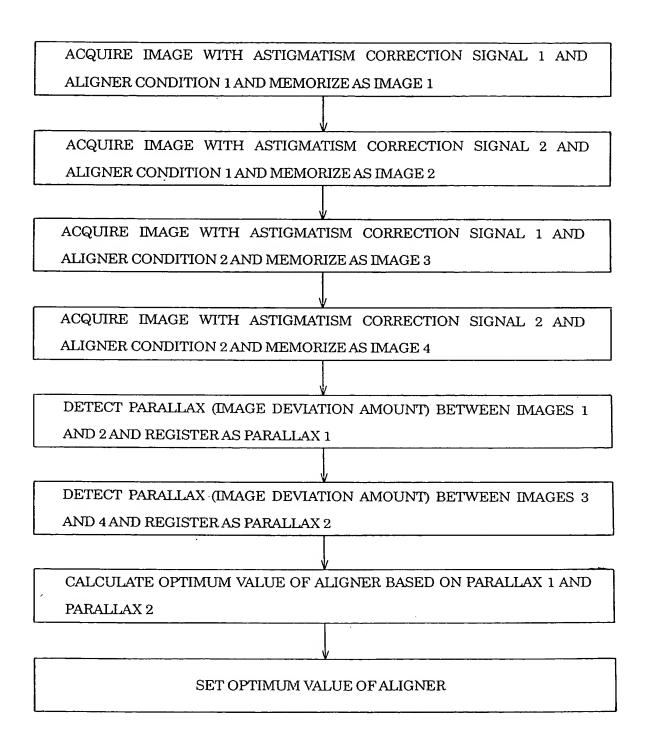
1/13 FIG.1



ACQUIRE IMAGE BY SETTING CONDITION 1 FOR OBJECTIVE LENS 7 AND CONDITION 1 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 1 ACQUIRE IMAGE BY SETTING CONDITION 2 FOR OBJECTIVE LENS 7 AND CONDITION 1 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 2 ACQUIRE IMAGE BY SETTING CONDITION 1 FOR OBJECTIVE LENS 7 AND CONDITION 2 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 3 ACQUIRE IMAGE BY SETTING CONDITION 2 FOR OBJECTIVE LENS 7 AND CONDITION 2 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 4 DETECT PARALLAX (IMAGE DEVIATION AMOUNT) BETWEEN IMAGES 1 AND 2 AND REGISTER AS PARALLAX 1 DETECT PARALLAX (IMAGE DEVIATION AMOUNT) BETWEEN IMAGES 3 AND 4 AND REGISTER AS PARALLAX 2 CALCULATE OPTIMUM VALUE OF ALIGNER 51 BASED ON PARALLAX 1 AND PARALLAX 2 SET OPTIMUM VALUE OF ALIGNER 51

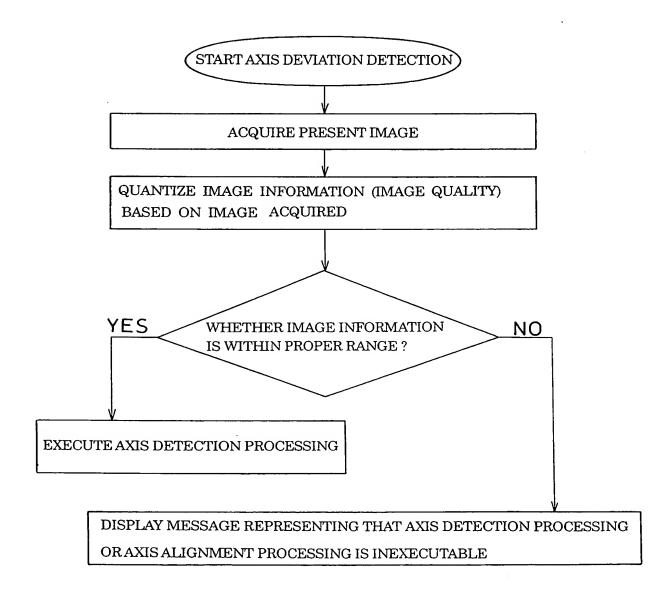
FIG.3





·	
AXIS DEVIATION RELATIVE TO OBJEC	TIVE LENS EXCEED TOLERANCE
LEVEL. DO YOU EXECUTE AXIS ALIGNN	MENT?
Yes	N o

FIG.6



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– API	ERTURE ALIGNMENT
• AU'	POMATIC AXIS ALIGNMENT TIMING
	OR EACH OFOR EACH OWHEN PARALLAX EXCEED OUSER NALYSIS POINT WAFER PREDETERMINED VALUE SETTING
• API	ERTURE ALIGNMENT
	ORRECTION BASED ON OCORRECTION OF VALUE ONO CORRECTION ARALLAX DETECTION PREVIOUSLY DETERMINED
• COF	RRECTION AMOUNT GRAPH
●RI	EGISTRATION O NO REGISTRATION
• WH	EN AXIS ALIGNMENT IS IMPOSSIBLE
OSI	TOP OF MEASUREMENT OCONTINUE CONTINUE AFTER SAMPLE IMAGE REGISTRATION
	WITCH TO CORRECTION OF PREVIOUSLY ETERMINED VALUE



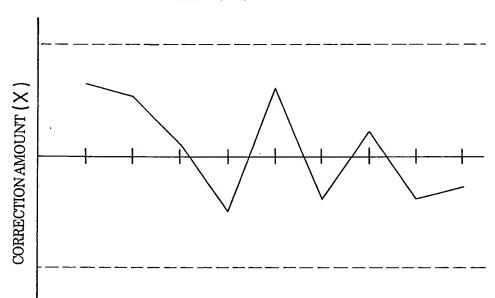
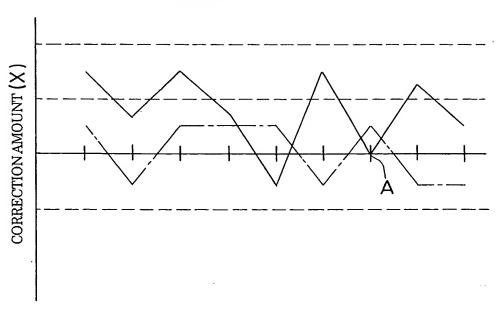


FIG.8(b)

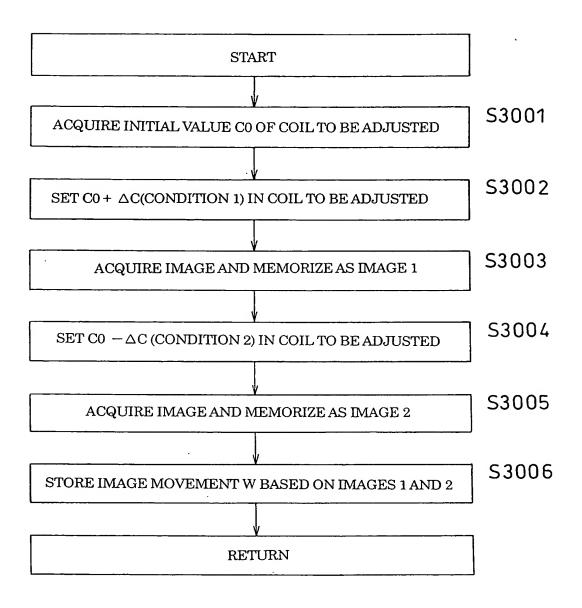


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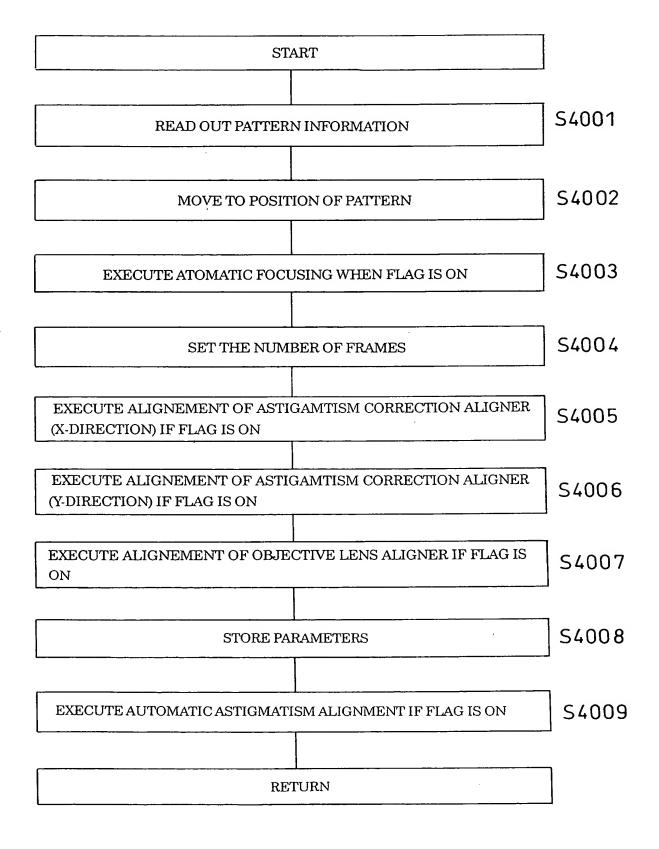
	START		
<u> </u>			
	ACQUIRE INITIAL VALUE AO OF ALIGNER TO BE ALIGNED	S2001	
ĺ		canna	
	CALCULATE IMAGE MOVEMENT W1 (S3001 TO S3006)	S2002	
ļ	WILETHED IN IC DECALCIT ATED 2	S2003	
	WHETHER η IS RECALCULATED? No Yes		
	SET A0 + ΔA1 IN ALIGNER TO BE ALIGNED	S2004	
	CALCULATE IMAGE MOVEMENT W2 (S3001 TO S3006)	S2005	
	CALCULATE η FROM IMAGE MOVEMENTS W1 AND W2	S2006	
	WHETHER ε IS RECALCULATED?	S2007	
	No Yes	1	
	SET A0 + ΔA2 IN ALIGNER TO BE ALIGNED	S2008	
		1	
	CALCULATE IMAGE MOVEMENT W3 (S 3001 TO S3006)	S2009	
,			
	CALCULATE & FROM IMAGE MOVEMENTS W1, W2 AND W3	S2010	
	S2011		
	WHETHER ABSOLUTE VALUE OF ALIGNMENT CORRECTION VALUE IS LESS THAN THRESHOLD VALUE?		
	No		
	Yes	7	
	RETURN		

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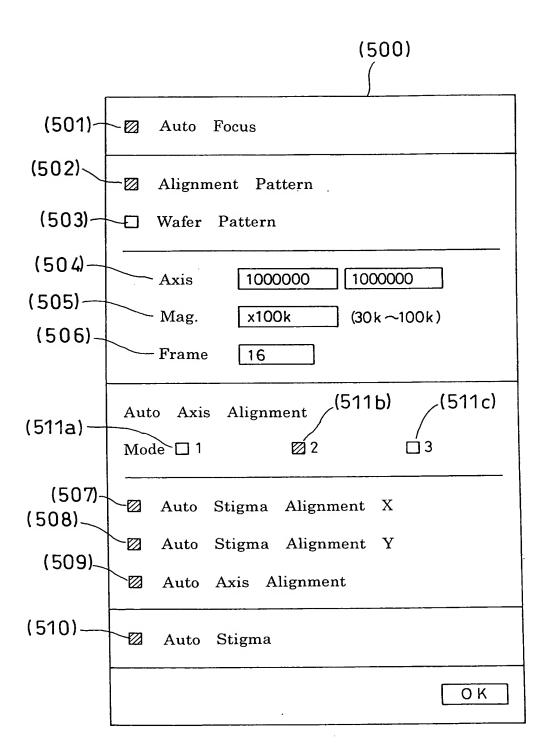
FIG.10



11/13 **FIG.11**



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START		
SET INITIAL VALUE OF OBJECTIVE LENS		
ACQUIRE IMAGE AND SWING VALUE OF OBJECTIVE LENS WHILE EVALUATING	S6002	
FIND OPTIMUM VALUE FROM EAVALUATION VALUE AND SET OPTIMUM VALUE IN OBJECTIVE LENS	S6003	
SET INITIAL VALUE OF ASTIGMATISM CORRECTOR (X-DIRECTION)	S6004	
ACQUIRE IMAGE AND SWING VALUE OF ASTIGMATISM CORRECTION VALUE (X-DIRECTION) WHILE EVALUATING	S6005	
FIND OPTIMUM VALUE FROM EAVALUATION VALUE AND SET OPTIMUM VALUE IN ASTIGMATISM CORRECTOR (X-DIRECTION)	S6006	
SET INITIAL VALUE OF ASTIGMATISM CORRECTOR (X-DIRECTION)	S6007	
ACQUIRE IMAGE AND SWING ASIGMATISM CORRECTION VALUE (Y-DIRECTION) WHILE EVALUATING	S6008	
FIND OPTIMUM VALUE FROM EAVALUATION VALUE AND SET OPTIMUM VALUE IN ASTIGMATISM CORRECTOR (Y-DIRECTION)		
RETURN	<u>. </u>	